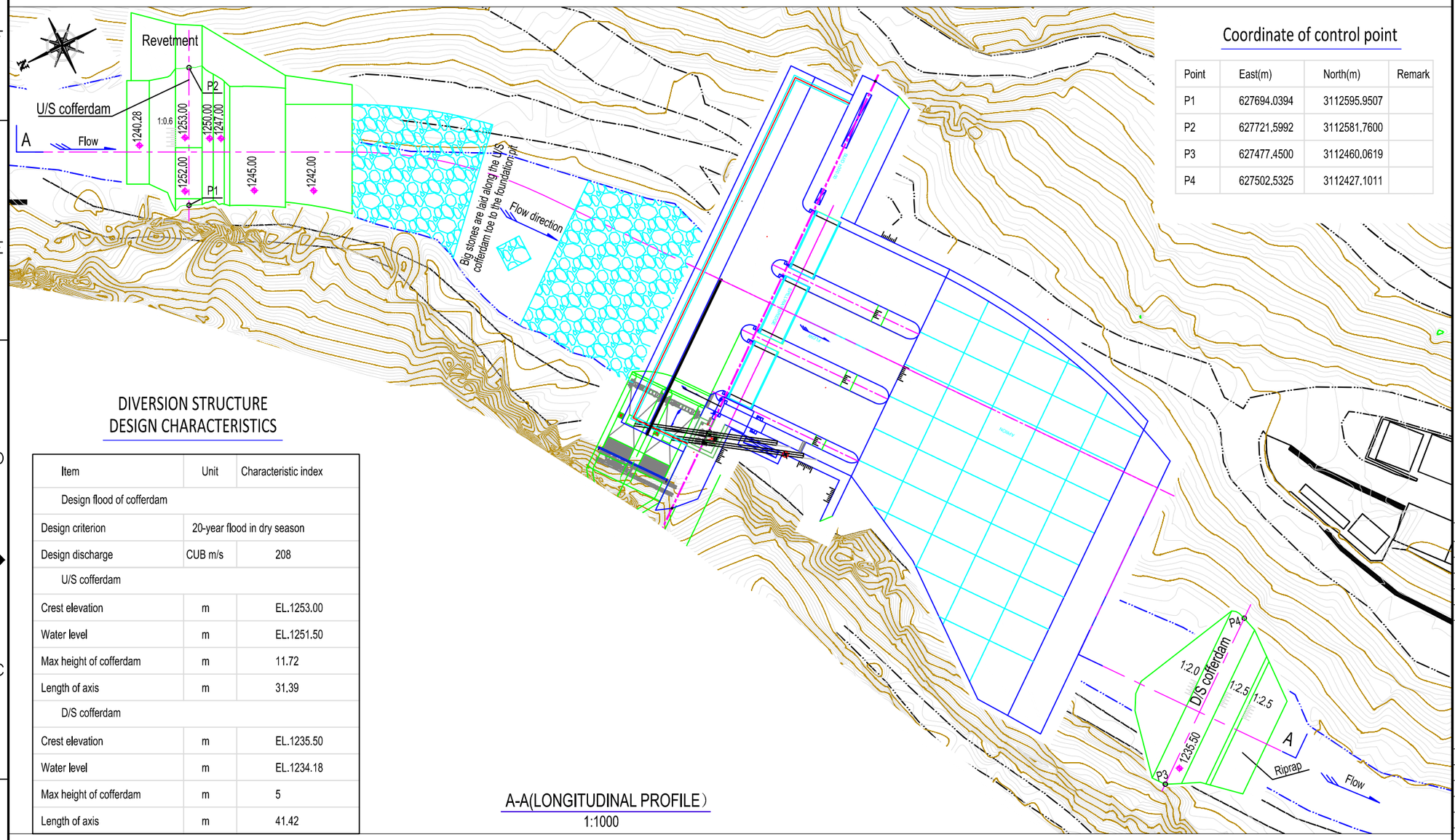
GENERAL PLAN OF U/S & D/S COFFERDAM

1:500



Coordinate of control point

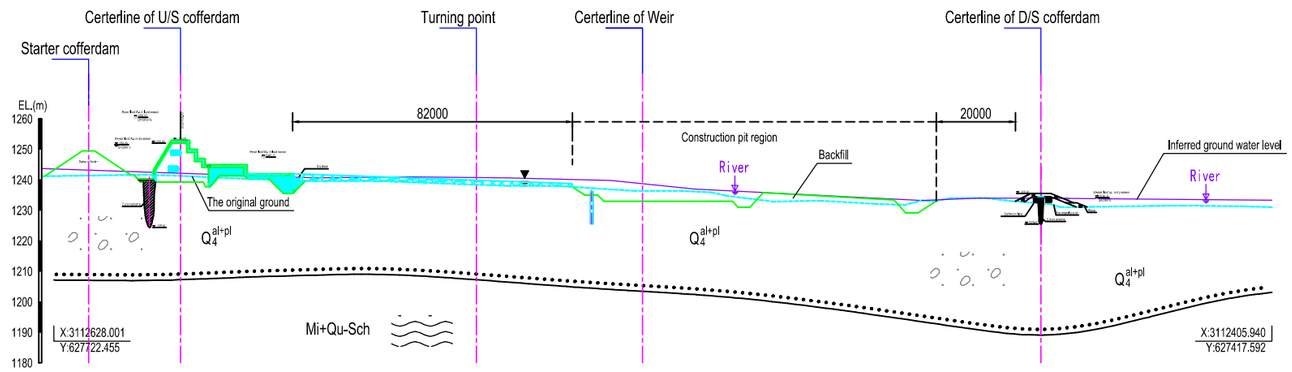
Point	East(m)	North(m)	Remark
P1	627694.0394	3112595.9507	
P2	627721.5992	3112581.7600	
P3	627477.4500	3112460.0619	
P4	627502.5325	3112427.1011	

DIVERSION STRUCTURE DESIGN CHARACTERISTICS

Item	Unit	Characteristic index
Design flood of cofferdam		
Design criterion	20-year flood in dry season	
Design discharge	CUB m/s	208
U/S cofferdam		
Crest elevation	m	EL.1253.00
Water level	m	EL.1251.50
Max height of cofferdam	m	11.72
Length of axis	m	31.39
D/S cofferdam		
Crest elevation	m	EL.1235.50
Water level	m	EL.1234.18
Max height of cofferdam	m	5
Length of axis	m	41.42

A-A(LONGITUDINAL PROFILE）

1:1000



Legend:

- Mi+Qu-Sch — Interbedded Mica Schist and Quartz-Schist
- Inferred boundry between bedrock and overburden
- Inferred ground water level

1:500 0 5 10 15 20 25m

1:1000 0 10 20 30 40 50m

NOTE

1. Coordinates, chainages & elevations are measured in meters, diameter is millimeter, dimensions are in millimeter unless otherwise specified.
2. The thickness of concrete cover is not less than 75mm.
3. Symbol description:
   R denotes round bar,yield strength of round bar is 280MPa.
   D denotes deformed bar,the yield strength of deformed bar is 500MPa.
4. Strength specification of concrete & shotcrete:
   (I)Concrete class A:Cylinder specified compressive strength is 18 MPa at 28 days.
   (II)Concrete class D:Cylinder specified compressive strength is 24 MPa at 28 days.
   (III)Concrete class E:Cylinder specified compressive strength is 24 MPa at 28 days.
5. Strength specification of CSGR lean concrete:
   (I)CSGR C6/8 MPa: Cylinder specified compressive strength is 6 MPa at 28 days / Cube specified compressive strength is 8 MPa at 28 days.
6. The starter cofferdam can provide a dry environment for the construction of U/S hard-fill cofferdam. For details refer to the method statement of cofferdam.

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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0	05.Dec,2022	As RN-0375	Han Y.H.	K.J. Kim	Y.S. Son
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0B	12.SEP,2022	As RN-0232	Han Y.H.	K.J. Kim	Y.S. Son
0A	29.JUL,2022	First Issue	Han Y.H.	K.J. Kim	Y.S. Son

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC

OWNER'S ENGINEER

TRACTEBEL ENGIE

jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

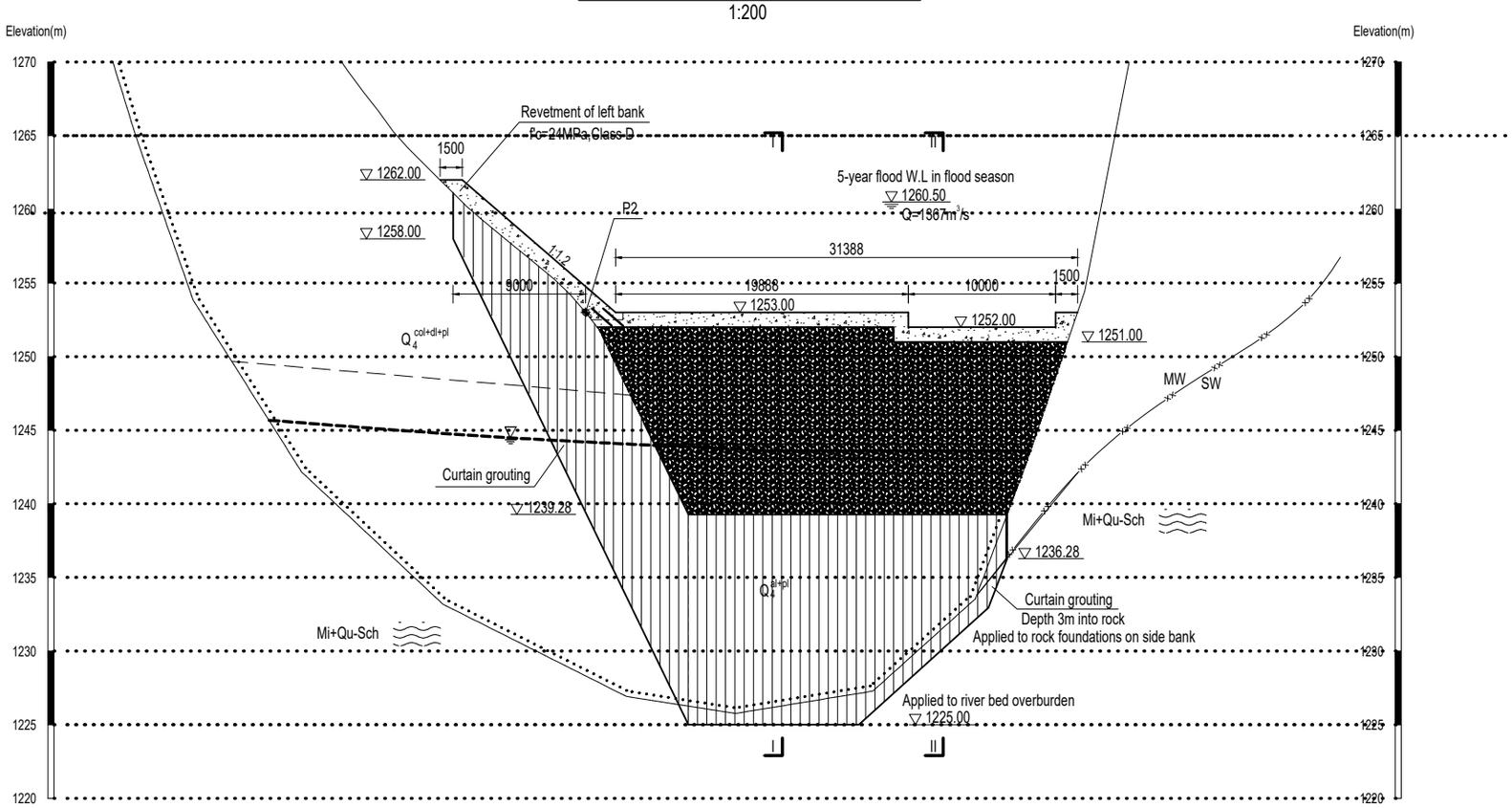
EMBANKMENT DRAWING OF U/S COFFERDAM

DRAWING NUMBER	SHEET NO.	REV. NO.
UT1-C-010-CVL-DG-41001	1 OF 3	0

A1 (594 x 841 MM)

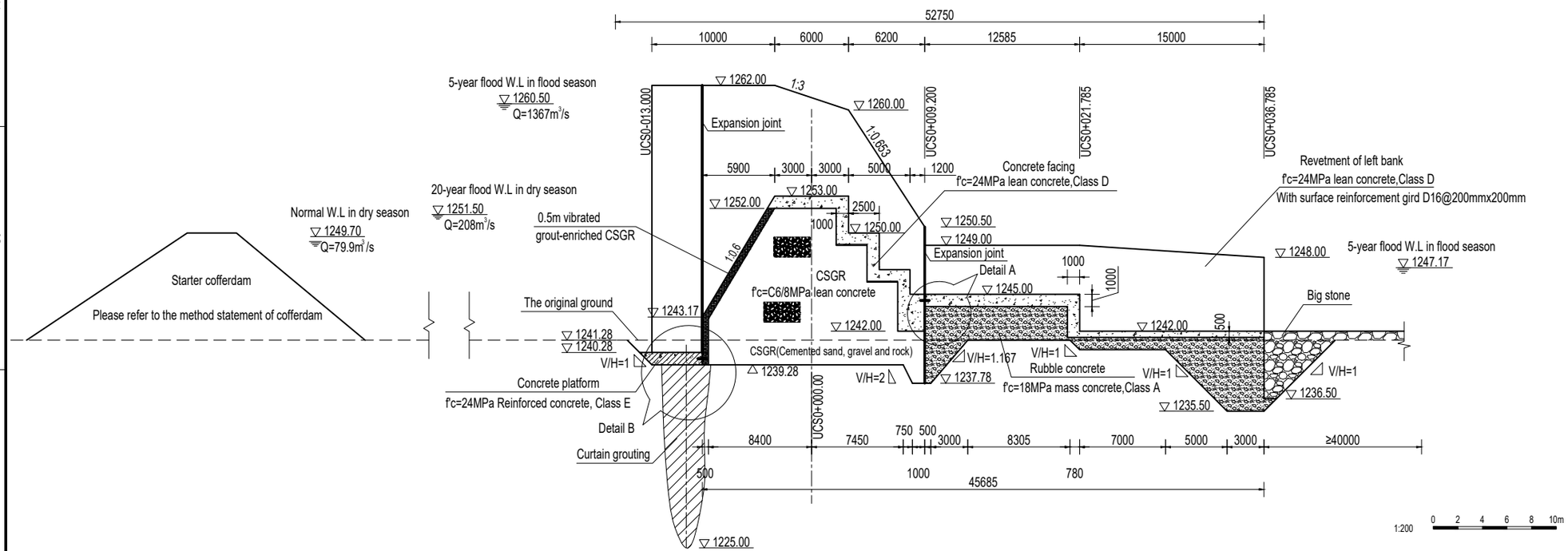
Longitudinal Profile of U/S Cofferdam

1:200



U/S Cofferdam Section I

1:200



NOTE

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2. For other notes,please refer to 1/3 of this set of drawings.

Legend:

- Inferred lithology boundry
- Estimated ground water level
- Mi+Qu-Sch — Interbedded mica schist and quartz-schist
- SW / MW — Inferred boundry between moderately weathered and slight weathered
- Inferred boundry between bedrock and overburden
- Grouting material
- Hardfill material
- Grout-enriched CSGR
- Reinforced concrete
- Rubble concrete
- Rock backfill
- Lean concrete

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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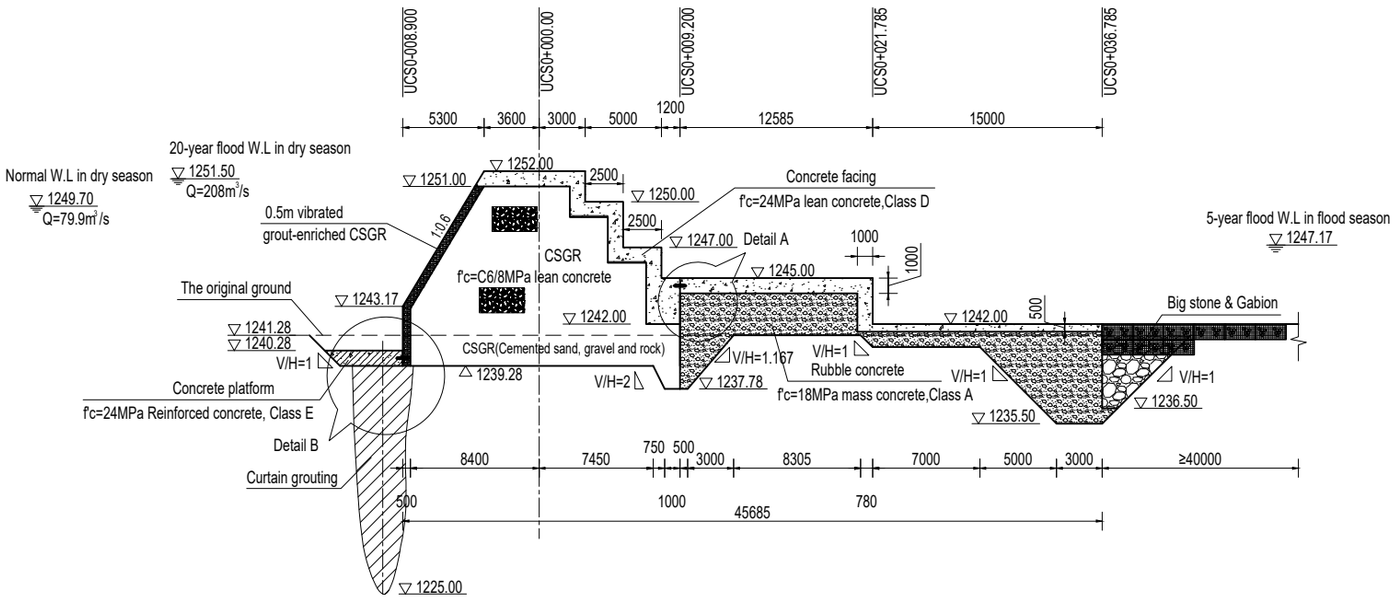
EMBANKMENT DRAWING OF U/S COFFERDAM

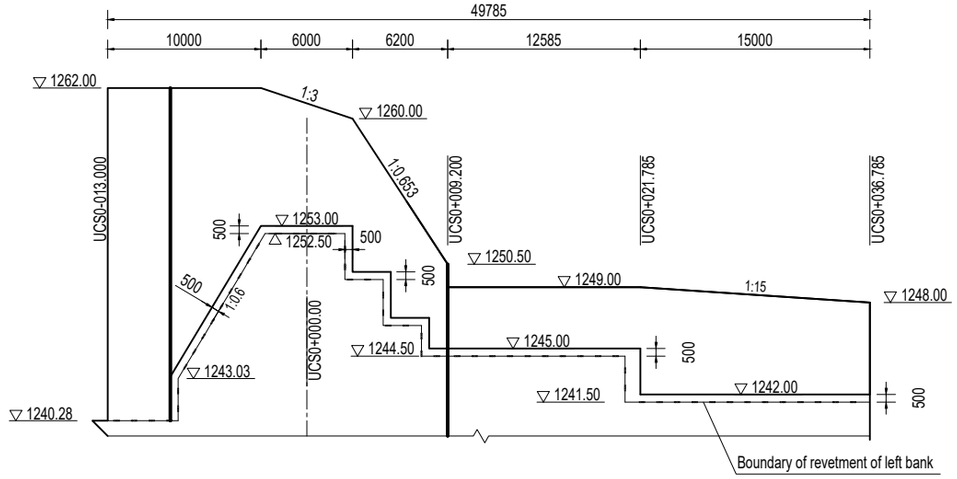
DRAWING NUMBER	SHEET NO.	REV. NO.
UT1-C-010-CVL-DG-41001	2 OF 3	0

A1 (594 x 841 MM)

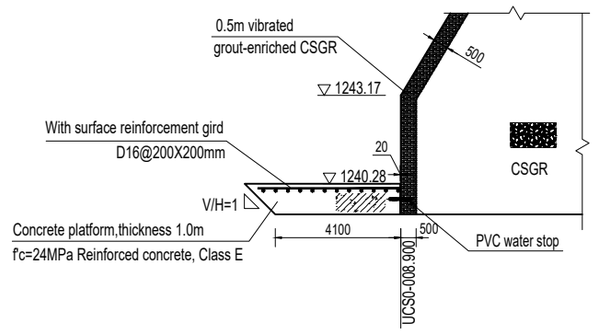
U/S Cofferdam Section II
1:200



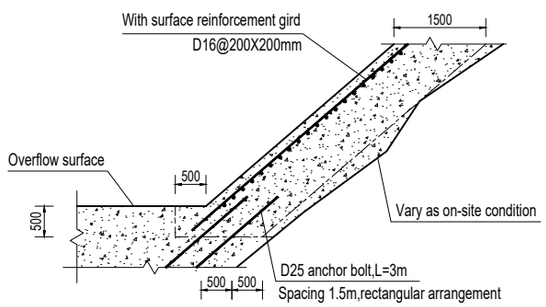
Boundary of Revetment of Left Bank
1:200



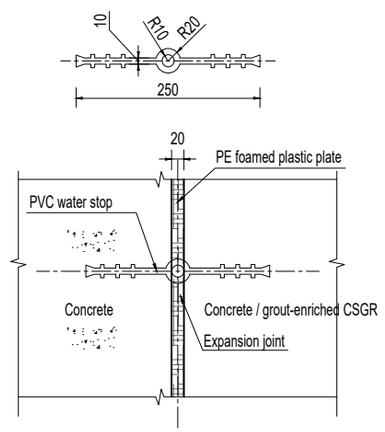
Detail B
1:100



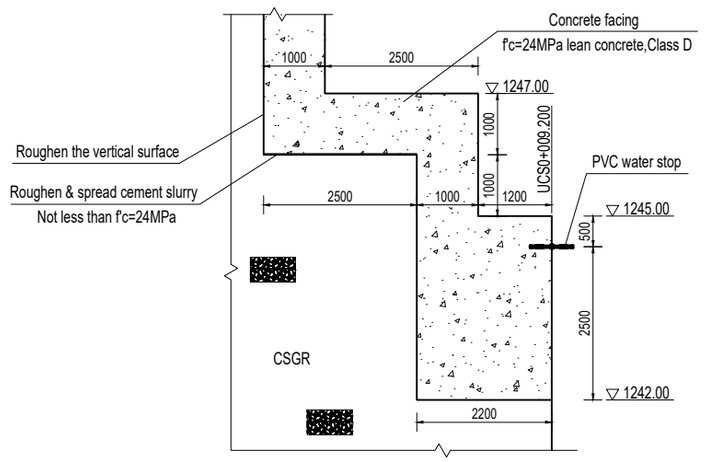
Reinforcement of Revetment
1:50



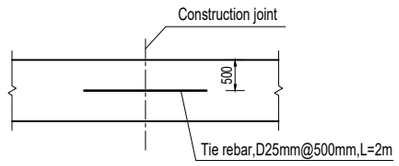
Detail of PVC Waterstop
1:5



Detail A
1:50



Detail of Construction Joints(where necessary)
1:50



1:50 0 0.5 1 1.5 2 2.5m
1:5 0 0.05 0.1 0.15 0.2 0.25m

NOTE

1. Coordinates, chainages & elevations are measured in meters, diameter is millimeter, dimensions are in millimeter unless otherwise specified.
2. For other notes,please refer to 1/3 of this set of drawings.
3. The mix design of rubble concrete please refer to the Method Statement of CSG cofferdam.
4. The mix design of CSGR C6/8 MPa lean concrete please refer to the Method Statement of CSG cofferdam.

REFERENCE DRAWINGS

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